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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/122,144DATE: 11/02/1999
TIME: 16:45:25

Input Set: I122144.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

1 <110> APPLICANT: Blumberg, Richard S.
2 Simister, Neil E.
3 Lencer, Wayne I.
4 <120> TITLE OF INVENTION: RECEPTOR SPECIFIC TRANSEPITHELIAL TRANSPORT OF THERAPEUTI
5 <130> FILE REFERENCE: S1383/7003
6 <140> CURRENT APPLICATION NUMBER: US/09/122,144
7 <141> CURRENT FILING DATE: 1998-07-24
8 <150> EARLIER APPLICATION NUMBER: US 08/899,856
9 <151> EARLIER FILING DATE: 1997-07-24
10 <150> EARLIER APPLICATION NUMBER: US 08/578,171
11 <151> EARLIER FILING DATE: 1995-12-29
12 <150> EARLIER APPLICATION NUMBER: US 08/374,159
13 <151> EARLIER FILING DATE: 1995-01-17
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16 <211> LENGTH: 706
17 <212> TYPE: DNA
18 <213> ORGANISM: Homo sapiens
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20 gtcgtcgaca aaactcacac atgcccaccg tgcccagcac ctgaactcct ggggggaccg 60
21 tcagtcttcc tcttcccccc aaaacccaag gacaccctca tgatctcccg gacccttgag 120
22 gtcacatgcg tgggtggtgga cgtgagccac gaagaccctg aggtcaagtt caactggtac 180
23 gtggacggcg tggaggtgca taatgccaag acaaagccgc gggaggagca gtacaacagc 240
24 acgtaccgtg tggtcagcgt cctcaccgtc ctgcaccagg actggctgaa tggcaaggag 300
25 tacaagtgca aggtctccaa caaagccctc ccagccccca tcgagaaaac catctccaaa 360
26 gccaaagggc agccccgaga accacaggtg tacaccctgc ccccatcccg ggatgagctg 420
27 accaagaacc aggtcagcct gacctgcctg gtcaaaggct tctatcccag cgacatcgcc 480
28 gtggagtggg agagcaatgg gcagccggag aacaactaca agaccacgcc tcccggtgttg 540
29 gactccgacg gctccttctt cctctacagc aagctcaccg tggacaagag caggtggcag 600
30 caggggaacg tcttctcatg ctccgtgatg catgaggctc tgcacaacca ctacacgcag 660
31 aagagcctct ccctgtctcc gggtaaata ga gtgcggcggc cgcgtc 706
32 <210> SEQ ID NO 2
33 <211> LENGTH: 229
34 <212> TYPE: PRT
35 <213> ORGANISM: Homo sapiens
36 <400> SEQUENCE: 2
37 Val Val Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu
38 1 5 10 15
39 Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr
40 20 25 30
41 Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val
42 35 40 45
43 Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val
44 50 55 60

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45      Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser
46      65                      70                      75                      80
47      Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu
48                      85                      90                      95
49      Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala
50                      100                    105                    110
51      Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro
52                      115                    120                    125
53      Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln
54                      130                    135                    140
55      Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala
56      145                      150                      155                      160
57      Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr
58                      165                      170                      175
59      Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu
60                      180                    185                    190
61      Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser
62                      195                    200                    205
63      Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser
64      210                      215                      220

```

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65      Leu Ser Pro Gly Lys

```

```

66      225

```

```

67      <210> SEQ ID NO 3

```

```

68      <211> LENGTH: 5

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```

69      <212> TYPE: PRT

```

```

70      <213> ORGANISM: Homo sapiens

```

```

71      <400> SEQUENCE: 3

```

```

72      Val Arg Arg Pro Arg

```

```

73      1                      5

```

```

74      <210> SEQ ID NO 4

```

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75      <211> LENGTH: 33

```

```

76      <212> TYPE: PRT

```

```

77      <213> ORGANISM: Homo sapiens

```

```

78      <400> SEQUENCE: 4

```

```

79      Ser Ser Thr Lys Leu Thr His Ala His Arg Ala Gln His Leu Asn Ser

```

```

80      1                      5                      10                      15

```

```

81      Trp Gly Asp Arg Gln Ser Ser Ser Ser Pro Gln Asn Pro Arg Thr Pro

```

```

82      20                      25                      30

```

```

83      Ser

```

```

84      <210> SEQ ID NO 5

```

```

85      <211> LENGTH: 13

```

```

86      <212> TYPE: PRT

```

```

87      <213> ORGANISM: Homo sapiens

```

```

88      <400> SEQUENCE: 5

```

```

89      Ser Pro Gly Pro Leu Arg Ser His Ala Trp Trp Trp Thr

```

```

90      1                      5                      10

```

```

91      <210> SEQ ID NO 6

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92      <211> LENGTH: 47

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93      <212> TYPE: PRT

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94      <213> ORGANISM: Homo sapiens

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95  <400> SEQUENCE: 6
96      Ala Thr Lys Thr Leu Arg Ser Ser Ser Thr Gly Thr Trp Thr Ala Trp
97          1              5              10              15
98      Arg Cys Ile Met Pro Arg Gln Ser Arg Gly Arg Ser Ser Thr Thr Ala
99          20              25              30
100     Arg Thr Val Trp Ser Ala Ser Ser Pro Ser Cys Thr Arg Thr Gly
101          35              40              45
102  <210> SEQ ID NO 7
103  <211> LENGTH: 43
104  <212> TYPE: PRT
105  <213> ORGANISM: Homo sapiens
106  <400> SEQUENCE: 7
107     Met Ala Arg Ser Thr Ser Ala Arg Ser Pro Thr Lys Pro Ser Gln Pro
108          1              5              10              15
109     Pro Ser Arg Lys Pro Ser Pro Lys Pro Lys Gly Ser Pro Glu Asn His
110          20              25              30
111     Arg Cys Thr Pro Cys Pro His Pro Gly Met Ser
112          35              40
113  <210> SEQ ID NO 8
114  <211> LENGTH: 6
115  <212> TYPE: PRT
116  <213> ORGANISM: Homo sapiens
117  <400> SEQUENCE: 8
118     Pro Arg Thr Arg Ser Ala
119          1              5
120  <210> SEQ ID NO 9
121  <211> LENGTH: 61
122  <212> TYPE: PRT
123  <213> ORGANISM: Homo sapiens
124  <400> SEQUENCE: 9
125     Pro Ala Trp Ser Lys Ala Ser Ile Pro Ala Thr Ser Pro Trp Ser Gly
126          1              5              10              15
127     Arg Ala Met Gly Ser Arg Arg Thr Thr Thr Arg Pro Arg Leu Pro Cys
128          20              25              30
129     Trp Thr Pro Thr Ala Pro Ser Ser Ser Thr Ala Ser Ser Pro Trp Thr
130          35              40              45
131     Arg Ala Gly Gly Ser Arg Gly Thr Ser Ser His Ala Pro
132          50              55              60
133  <210> SEQ ID NO 10
134  <211> LENGTH: 26
135  <212> TYPE: PRT
136  <213> ORGANISM: Homo sapiens
137  <400> SEQUENCE: 10
138     Cys Met Arg Leu Cys Thr Thr Thr Thr Arg Arg Arg Ala Ser Pro Cys
139          1              5              10              15
140     Leu Arg Val Asn Glu Cys Gly Gly Arg Val
141          20              25
142  <210> SEQ ID NO 11
143  <211> LENGTH: 13
144  <212> TYPE: PRT

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145 <213> ORGANISM: Homo sapiens
146 <400> SEQUENCE: 11
147   Arg Arg Gln Asn Ser His Met Pro Thr Val Pro Ser Thr
148     1             5             10
149 <210> SEQ ID NO 12
150 <211> LENGTH: 24
151 <212> TYPE: PRT
152 <213> ORGANISM: Homo sapiens
153 <400> SEQUENCE: 12
154   Thr Pro Gly Gly Thr Val Ser Leu Pro Leu Pro Pro Lys Thr Gln Gly
155     1             5             10             15
156   His Pro His Asp Leu Pro Asp Pro
157             20
158 <210> SEQ ID NO 13
159 <211> LENGTH: 13
160 <212> TYPE: PRT
161 <213> ORGANISM: Homo sapiens
162 <400> SEQUENCE: 13
163   Gly His Met Arg Gly Gly Gly Arg Glu Pro Arg Arg Pro
164     1             5             10
165 <210> SEQ ID NO 14
166 <211> LENGTH: 13
167 <212> TYPE: PRT
168 <213> ORGANISM: Homo sapiens
169 <400> SEQUENCE: 14
170   Gly Gln Val Gln Leu Val Arg Gly Arg Arg Gly Gly Ala
171     1             5             10
172 <210> SEQ ID NO 15
173 <211> LENGTH: 70
174 <212> TYPE: PRT
175 <213> ORGANISM: Homo sapiens
176 <400> SEQUENCE: 15
177   Cys Gln Asp Lys Ala Ala Gly Gly Ala Val Gln Gln His Val Pro Cys
178     1             5             10             15
179   Gly Gln Arg Pro His Arg Pro Ala Pro Gly Leu Ala Glu Trp Gln Gly
180             20             25             30
181   Val Gln Val Gln Gly Leu Gln Gln Ser Pro Pro Ser Pro His Arg Glu
182             35             40             45
183   Asn His Leu Gln Ser Gln Arg Ala Ala Pro Arg Thr Thr Gly Val His
184             50             55             60
185   Pro Ala Pro Ile Pro Gly
186             65             70
187 <210> SEQ ID NO 16
188 <211> LENGTH: 72
189 <212> TYPE: PRT
190 <213> ORGANISM: Homo sapiens
191 <400> SEQUENCE: 16
192   Ala Asp Gln Glu Pro Gly Gln Pro Asp Leu Pro Gly Gln Arg Leu Leu
193     1             5             10             15
194   Ser Gln Arg His Arg Arg Gly Val Gly Glu Gln Trp Ala Ala Gly Glu

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```
195          20          25          30
196      Gln Leu Gln Asp His Ala Ser Arg Val Gly Leu Arg Arg Leu Leu Leu
197          35          40          45
198      Pro Leu Gln Gln Ala His Arg Gly Gln Glu Gln Val Ala Ala Gly Glu
199          50          55          60
200      Arg Leu Leu Met Leu Arg Asp Ala
201      65          70
202      <210> SEQ ID NO 17
203      <211> LENGTH: 16
204      <212> TYPE: PRT
205      <213> ORGANISM: Homo sapiens
206      <400> SEQUENCE: 17
207      Gly Ser Ala Gln Pro Leu His Ala Glu Glu Pro Leu Pro Val Ser Gly
208          1          5          10          15
209      <210> SEQ ID NO 18
210      <211> LENGTH: 6
211      <212> TYPE: PRT
212      <213> ORGANISM: Homo sapiens
213      <400> SEQUENCE: 18
214      Met Ser Ala Ala Ala Ala
215          1          5
216      <210> SEQ ID NO 19
217      <211> LENGTH: 17
218      <212> TYPE: DNA
219      <213> ORGANISM: Homo sapiens
220      <400> SEQUENCE: 19
221      tgctgggctg tgaactg 17
222      <210> SEQ ID NO 20
223      <211> LENGTH: 18
224      <212> TYPE: DNA
225      <213> ORGANISM: Homo sapiens
226      <400> SEQUENCE: 20
227      cgcttttagc agtcggaa 18
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VERIFICATION SUMMARY
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Line ? Error/Warning

Original Text

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PREVIOUSLY ERRORED SEQUENCES-EDITED

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2	<211>	18
3	<212>	DNA
4	<213>	Homo sapiens
5	<400>	20
6		cgcttttagc agtcggaa

18